

# SAN DIEGO SUPER COMPUTER CENTER EXPANSION

LA JOLLA, CALIFORNIA



**Owner**  
University of California,  
San Diego (UCSD)

**Client**  
EHDD Architecture

**Services**  
Civil Engineering

**Construction Cost**  
\$32 Million

**Completion Date**  
2005- 2008

**Key Personnel**  
Steven D. Nasland, PE;  
Principal-In-Charge  
Greg Kump, PE;  
Project Manager

### Project Summary

The San Diego Super Computer Center project was a five level expansion and parking garage structure with a footprint of 18,250 square feet. The existing site was bordered by Hopkins Drive on the East and Voigt Drive on the south and existing Super Computer center on the west. Nasland Engineering provided grading and utility plans which included sewer, storm drain, and telephone.

The Super Computer expansion and parking garage site has several Civil Engineering challenges which required a detailed design and coordination effort in order to allow for this project to be constructed. However, all of these challenges were handled via quality design and coordination with other disciplines. The site sloped from the west to the east with variations in grade of 40 feet over the entire site. Grading required retaining via structure or retaining walls in order to accommodate the vast grade differences. The site drained well and continued to drain towards Hopkins Drive after expansion, with the appropriate Best Management Practices and storm water control systems being designed and constructed.

